

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	duplicate near2 negotiations	US-PGPUB; USPAT	OR	ON	2007/10/19 12:53
L2	6909	point adj2 point adj2 protocol	US-PGPUB; USPAT	OR	ON	2007/10/19 12:53
L3	131698	duplicate	US-PGPUB; USPAT	OR	ON	2007/10/19 12:53
L4	1	2 near3 3	US-PGPUB; USPAT	OR	ON	2007/10/19 12:53
L5	37	2 same 3	US-PGPUB; USPAT	OR	ON	2007/10/19 13:39
L6	20456	control adj message	US-PGPUB; USPAT	OR	ON	2007/10/19 13:34
L7	8	6 near5 3	US-PGPUB; USPAT	OR	ON	2007/10/19 13:06
L8	6	("4905282"   "5774668"   "5790800"   "5835724"   "5922052"   "5938731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/19 13:34
L9	8	("2001/0017856").URPN.	USPAT	OR	ON	2007/10/19 13:31
L10	416475	request	US-PGPUB; USPAT	OR	ON	2007/10/19 14:41
L11	1429	3 near5 10	US-PGPUB; USPAT	OR	ON	2007/10/19 13:40
L12	635	(709/237).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/10/19 13:40
L13	9	12 and 11	US-PGPUB; USPAT	OR	ON	2007/10/19 13:40
L14	21	("4807118").URPN.	USPAT	OR	ON	2007/10/19 13:41
L15	1	("2005/0149632").URPN.	USPAT	OR	ON	2007/10/19 13:46

## EAST Search History

L16	123	(("20010004354" "20010021949" "20010023460" "20010027496" "20010047433" "20020055993" "20020085562" "20020095519" "20020120899" "20020147839" "20020163888" "20030005142" "20030014544" "20030016669" "20030031172" "20030046330" "20030046418" "20030056009" "20030058870" "20030061505" "20030066011" "20030084185" "20030115350" "20030115417" "20030128704" "20030145101" "20030145270" "20030167346" "20030200284" "20050141561" "20050160139" "20050175003" "20050182841" "20050198198" "20050204058" "20050278459" "20060010238" "20070062245" "0212889" "4807111" "4839851" "5012489" "5056058" "5161193" "5163131" "5307413" "5426694" "5430727" "5440551" "5455599" "5485460" "5495480" "5499353" "5513324" "5519704" "5544357" "5546453" "5557105" "5566170" "5577172" "5577237" "5581686" "5596702" "5598410" "5619650" "5621434" "5625678" "5625825" "5634015" "5636371" "5640394" "5650941" "5663951" "5664162" "5666362" "5675507" "5678060" "5680605" "5687314" "5696899" "5699350" "5701316" "5727149" "5734852" "5734865" "5748905" "5754540" "5754556" "5761281" "5778178" "5790546" "5790676" "5802287" "5802306" "5805816" "5809235" "5815516" "5818935" "5826032" "5854750" "5870549" "5870622" "5872919" "5877764" "5909546" "5918051" "5920732" "5923892" "5935268" "5937169" "5941988" "5943481" "5946487" "5966534" "5974518" "5984557" "5991299" "5999974" "6014699" "6034963" "6046980" "6049857" "6061368" "6061742" "6076115" "6078736" "6081846" "6092110" "6092229" "6098188" "6101543" "6122670" "6151625" "6157955" "6172980" "6172990" "6173333" "6182228" "6185619" "6208651" "6226680" "6230193" "6233626" "6247060" "6247068" "6327625" "6330659" "6341129" "6345301" "6347347" "6389479" "6389537" "6393487" "6397316" "6427169" "6430628" "6434620" "6460080" "6530061" "6609225" "6629141").PN.	USPAT	OR	ON	2007/10/19 13:49
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## EAST Search History

L18	61521	ack acknowledge	US-PGPUB; USPAT	OR	ON	2007/10/19 14:41
L19	332	18 near5 3	US-PGPUB; USPAT	OR	ON	2007/10/19 13:50
L20	6	19 and 12	US-PGPUB; USPAT	OR	ON	2007/10/19 13:50
L21	1	("2003/0105877").URPN.	USPAT	OR	ON	2007/10/19 13:55
L22	11	("20040059979" "4896151" "5371731" "5862316" "6105122" "6332165" "6452915" "6640325" "6681254" "6928471" "7010607" "7010614").PN.	USPAT	OR	ON	2007/10/19 14:18
L23	2139	(709/228).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/10/19 14:38
L24	4	23 and 19	US-PGPUB; USPAT	OR	ON	2007/10/19 14:38
L25	1429	10 near5 3	US-PGPUB; USPAT	OR	ON	2007/10/19 14:41
L26	12	25 and 23	US-PGPUB; USPAT	OR	ON	2007/10/19 14:53
L27	2454	duplicate near5 message	US-PGPUB; USPAT	OR	ON	2007/10/19 14:53
L28	26	27 and 23	US-PGPUB; USPAT	OR	ON	2007/10/19 15:27
L29	1	"6775553".pn.	US-PGPUB; USPAT	OR	ON	2007/10/19 15:28


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... those sequence numbers has been delivered and acknowledged by the receiver and all **duplicate** copies of ... Note that only **control** and data **packets** occupy the ...
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... Congestion **control** for return **ACK** path; ... Proposals for retransmitting **packets** based on one or two **duplicate** acknowledgements. ...Cited by 174 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Import into EndNote](#)
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... that it may recover from multiple **packet** losses more ... as that in the original congestion **control** scheme ... The phase begins when 3 **duplicate ACK's** are received, and ...Cited by 371 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
**NETBLT: A High Throughput Transport Protocol - all 3 versions »**

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... because single **control** messages can **ACK** many data ... depending on the number of **packets** per buffer). ... the overhead incurred by processing **duplicate control** messages ...Cited by 143 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)
**Does the IEEE 802.11 MAC protocol work well in multihop wireless adhoc networks? - all 8 versions »**

S Xu, T Saadawi - Communications Magazine, IEEE, 2001 - ieeexplore.ieee.org

... the medium is free) with a response **control Packet** called clear to send (CTS ... protects the transmit- ter area from collisions during the M-ACK (from stations ...Cited by 466 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
**TCP Vegas: new techniques for congestion detection and avoidance - all 32 versions »**

LS Brakmo, SW O'Malley, LL Peterson - ACM SIGCOMM Computer Communication Review, 1994 - portal.acm.org

... It is used for congestion **control**, and is an upper limit ... n is usually 3). Reno sends a **duplicate ACK** whenever it ... Rcvd **ACK** for packet 11 Send packet 14 Rcvd **ACK** ...Cited by 607 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [Library Search](#) - [BL Direct](#)
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... of interest uses a window flow **control** protocol ... retransmitted after the number of such **duplicate** acknowl- edgements ... part of t) (2 Tahoe) After a **packet** loss is ...Cited by 136 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
**Modeling TCP throughput: a simple model and its empirical validation - all 19 versions »**

J Padhye, V Firoiu, D Towsley, J Kurose - ACM SIGCOMM Computer Communication Review, 1998 - portal.acm.org

... a stochastic model of TCP conges- tion **control** that yields ... behavior, the manner in which **packet** loss is inferred (eg, whether by **duplicate ACK** detection and ...Cited by 1589 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
**Error control using retransmission schemes in multicast transport protocols for real-time media - all 7 versions »**

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... mtdicast, it will generate several **duplicate packets**, depending on ... BRAU93, CrPa88, SABN82], in XTP **control** messages are ... to retransmit the same **packet** (up to a ...Cited by 83 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)

Promoting the use of end-to-end congestion **control** in the Internet - all 74 versions »  
S Floyd, K Fall - Networking, IEEE/ACM Transactions on, 1999 - ieeexplore.ieee.org  
... as the bandwidth delivered to the receiver, excluding **duplicate packets**. ... FALL:  
END-TO-END CONGESTION **CONTROL** IN THE ... size limitation, a smaller **packet** size, a ...  
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... receiving end can easily check and correct **duplicate** or out-of-order **packets**. If **data** or **control packets** are lost, the most common recovery technique is for ...Cited by 143 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)**Weak duplicate address detection in mobile ad hoc networks - all 17 versions »**

NH Vaidya - Proceedings of the 3rd ACM international symposium on Mobile ..., 2002 - portal.acm.org

... address assignment scheme which uses timeouts in the procedure for detecting **duplicate** addresses. ... Our keys are only included in network layer **control packets**. ...Cited by 133 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)**An active service framework and its application to real-time multimedia transcoding - all 44 versions »**

E Amir, S McCanne, R Katz - ACM SIGCOMM Computer Communication Review, 1998 - portal.acm.org

... the inconsis- tent entries, thus ensuring eventual consistency and resilience to **packet** loss. ... In AS 1, the analog of a flood of **duplicate control** messages is a ...Cited by 352 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)**On-demand multicast routing protocol - all 19 versions »**

SJ Lee, M Gerla, CC Chiang - Wireless Communications and Networking Conference, 1999. ..., 1999 - ieeexplore.ieee.org

... multicast **data packet**, a node forwards it only if it is not a **duplicate** and the ... In ODMRP, no explicit **control packets** need to be sent to join or leave the group ...Cited by 272 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)**Error control using retransmission schemes in multicast transport protocols for real-time media - all 7 versions »**

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... mtdticast, it will generate several **duplicate packets**, depending on ... of times that a **packet** is transmitted ... **Control packets** are small and congestion is often ...Cited by 83 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)**Improving the start-up behavior of a congestion control scheme for TCP - all 21 versions »**

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... so that it may recover from multiple **packet** losses more ... as that in the original congestion **control** scheme. ... The phase begins when 3 **duplicate** ACK's are received ...Cited by 371 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)**Split multipath routing with maximally disjoint paths in ad hoc networks - all 10 versions »**

SJ Lee, M Gerla - Communications, 2001. ICC 2001. IEEE International ..., 2001 - ieeexplore.ieee.org

... RREQs, intermediate nodes forward the **duplicate packets** that traversed ... Both **data** and **control packets** are measured. The rea- sons for **packet** drops can be ...Cited by 325 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)**Window-based error recovery and flow control with a slowacknowledgement channel: a study of TCP/IP ... - all 9 versions »**

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... connection of interest uses a window flow **control** protocol ... a fast retransmit option, in which a **packet** is ... after the number of such **duplicate** acknowl- edgements ...

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... to re-broadcast any non-duplicate data packets ... we employed RTSKTS exclusively for unicast control packets directed to ... of collisions over the wireless medium. ...

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... is free) with a response control Packet called clear ... be possible for the transmission of an entire packet. ... the hidden node problem, wireless packet networks ...

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**Improving TC/IP performance over wireless networks - all 22 versions »**

 H Balakrishnan, S Seshan, E Amir, RH Katz - Proceedings of the 1st annual international conference on ... , 1995 - [portal.acm.org](#)

... base station (snoop) hides the packet loss from ... by not propagating duplicate acknowledgments, thereby ... unnecessary congestion control mechanism invocations. ...

 Cited by 505 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#)
**On-demand multicast routing protocol - all 19 versions »**

 SJ Lee, M Gerla, CC Chiang - Wireless Communications and Networking Conference, 1999. ... , 1999 - [ieeexplore.ieee.org](#)

... large networks and more stable for mobile wireless networks. ... it only if it is not a duplicate and the ... In ODMRP, no explicit control packets need to be sent to ...

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**QoS issues in ad hoc wireless networks - all 13 versions »**

 S Chakrabarti, A Mishra - Communications Magazine, IEEE, 2001 - [ieeexplore.ieee.org](#)

... for a service with lower QoS by exchanging control packets ... If such a packet fails to arrive within a ... Duplicate packets are discarded at the destination. ...

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**Forwarding Group Multicast Protocol (FGMP) for multihop, mobile wireless networks - all 19 versions »**

CC Chiang, M Gerla, L Zhang - Cluster Computing, 1998 - Springer

... a multicast packet, it will broadcast this packet if it is not a duplicate. ... To reduce packet drop rate due to congestion, access control and internal ...

 Cited by 159 - [Related Articles](#) - [Web Search](#) - [Import into EndNote](#) - [BL Direct](#)
**A comparison of mechanisms for improving TCP performance over wireless links - all 89 versions »**

 H Balakrishnan, VN Padmanabhan, S Seshan, RH Katz - IEEE/ACM Transactions on Networking (TON), 1997 - [portal.acm.org](#)

... receiving this information with duplicate acknowledgments, the ... incorrect invocation of congestion control algorithms when ... retransmission of a packet lost on ...

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**On-Demand Multicast Routing Protocol in Multihop Wireless Mobile Networks - all 18 versions »**

SJ Lee, W Su, M Gerla - Mobile Networks and Applications, 2002 - Springer

... on enhanced distance vector algorithm (eg, Wireless Routing ... it only when it is not a duplicate and the ... In ODMRP, no explicit control packets need to be sent ...

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**Data link control protocols for wireless ATM access channels - all 3 versions »**

D Raychaudhuri, H Xie, R Yuan - US Patent 5,684,791, 1997 - Google Patents

... The present invention relates to wireless ATM systems, 5 variable bit-rate (VBR) and packet data, each with ... 3. wireless data link control (DLC) protocols ...



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[TCP over wireless with link level error control: analysis and design methodology - all 7 versions](#)

»

NM Chaskar, TV Lakshman, U Madhow - Networking, IEEE/ACM Transactions on, 1999 - [ieeexplore.ieee.org](#)

... **Packet** loss detected via **duplicate** ACK's results in ... et al.: TCP OVER WIRELESS WITH

LINK LEVEL ERROR **CONTROL** ... error-recovery mechanism for the **packet** that is ...

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